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WEST Search History

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Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ			
L12	L11 same cog	0	L12
L11	L9 same Saccharomyces	10	L11
L10	L9 same Neurospora	2	L10
L9	L8 same haploid	72	L9
L8	L1 same (fungus or fungal or fungi or yeast)	2065	L8
L7	L3 same cog	2	L7
L6	L3 same diploid	3	L6
L5	L3 same Neurospora	2	L5
L4	L3 same haploid	2	L4
L3	L2 same (fungus or fungal or fungi or yeast)	11	L3
L2	(recombination or recombinational) hotspot	41	L2
L1	(recombination or recombinational)	45777	L1

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Adv Biophys. 1995;31:133-47. Review.
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Genetics. 1994 Jan;136(1):41-51.
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Targeted stimulation of meiotic recombination.
Cell. 2002 Oct 18;111(2):173-84.
PMID: 12408862 [PubMed - in process]

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The influence of sequence divergence between alleles of the human MS205 minisatellite incorporated into the yeast genome on length-mutation rates and lethal recombination events during meiosis.
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Cell. 2002 Jan 25;108(2):183-93.
PMID: 11832209 [PubMed - indexed for MEDLINE]

4: Urawa H, Hidaka M, Ishiguro S, Okada K, Horiuchi T. Related Articles, Links

Enhanced homologous recombination caused by the non-transcribed spacer of the rDNA in Arabidopsis.
Mol Genet Genomics. 2001 Dec;266(4):546-55.
PMID: 11810225 [PubMed - indexed for MEDLINE]

5: Volodin AA, Camerini-Otero RD. Related Articles, Links

Influence of DNA sequence on the positioning of RecA monomers in RecA-DNA cofilaments.
J Biol Chem. 2002 Jan 11;277(2):1614-8.
PMID: 11700314 [PubMed - indexed for MEDLINE]

6: Templeton AR, Weiss KM, Nickerson DA, Boerwinkle E, Sing CF. Related Articles, Links

Cladistic structure within the human Lipoprotein lipase gene and its implications for phenotypic association studies.
Genetics. 2000 Nov;156(3):1259-75.
PMID: 11063700 [PubMed - indexed for MEDLINE]

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Mol Genet Genomics. 2001 Dec;266(4):546-55.
PMID: 11810225 [PubMed - indexed for MEDLINE]

4: Murray J, Buard J, Neil DL, Yeramian E, Tamaki K, Hollies C, Jeffreys AJ. Related Articles, Links

Comparative sequence analysis of human minisatellites showing meiotic repeat instability.
Genome Res. 1999 Feb;9(2):130-6.
PMID: 10022977 [PubMed - indexed for MEDLINE]

5: Dooner HK, Martinez-Ferez IM. Related Articles, Links

Recombination occurs uniformly within the bronze gene, a meiotic recombination hotspot in the maize genome.
Plant Cell. 1997 Sep;9(9):1633-46.
PMID: 9338965 [PubMed - indexed for MEDLINE]

6: Kobayashi T, Horiuchi T. Related Articles, Links

A yeast gene product, Fob1 protein, required for both replication fork blocking and recombinational hotspot activities.
Genes Cells. 1996 May;1(5):465-74.
PMID: 9078378 [PubMed - indexed for MEDLINE]

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S1	413098	(RECOMBINATION OR RECOMBINATIONAL)
S2	1349	(RECOMBINATION OR RECOMBINATIONAL)(W)(HOTSPOT?)
S3	177	S2 (S) (FUNGUS OR FUNGAL OR FUNGI OR YEAST)
S4	1	S3 (S) (HAPLOID)
S5	8	S3 (S) (NEUROSPORA)
S6	0	S3 (S)(DIPLOID)
S7	8	S3 (S) COG
S8	4	RD S5 (unique items)
S9	4	RD S7 (unique items)
S10	4	S8 OR S9

?

t s10/medium/1-4

10/3/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

12121366 BIOSIS NO.: 199900416215
Polymorphism around cog extends into adjacent structural genes.
AUTHOR: Yeadon P Jane; Catcheside David EA(a)
AUTHOR ADDRESS: (a)School of Biological Sciences, Flinders University, Adelaide, SA, 5001**Australia
JOURNAL: Current Genetics 35 (6) :p631-637 July, 1999
ISSN: 0172-8083
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

10/3/2 (Item 1 from file: 98)
DIALOG(R)File 98:General Sci Abs/Full-Text

03253312 H.W. WILSON RECORD NUMBER: BGSI96003312 (USE FORMAT 7 FOR FULLTEXT)
Meiotic recombination hotspots.
Lichten, Michael
Goldman, Alastair S. H
Annual Review of Genetics (Annu Rev Genet) v. 29 ('95) p. 423-44
SPECIAL FEATURES: bibl il ISSN: 0066-4197
LANGUAGE: English
COUNTRY OF PUBLICATION: United States
WORD COUNT: 10773

10/3/3 (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

13762706 22286377 PMID: 12399385
Recombination at his-3 in Neurospora Declines Exponentially With Distance from the Initiator, cog.
Yeadon P Jane; Koh L Y; Bowring F J; Rasmussen J P; Catcheside D E A
School of Biological Sciences, Flinders University, Bedford Park 5042, South Australia.
Genetics (United States) Oct 2002, 162 (2) p747-53, ISSN 0016-6731
Journal Code: 0374636
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: In Process

10/3/4 (Item 1 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)

131014846 CA: 131(2)14846r PATENT
heterologous DNA library production and diversification in fungus using coupled recombination hotspots
INVENTOR(AUTHOR): Catcheside, David E.
LOCATION: Australia
ASSIGNEE: Flinders Technologies Pty. Ltd.
PATENT: PCT International ; WO 9927072 A1 DATE: 19990603
APPLICATION: WO 98AU971 (19981123) *US 977171 (19971124)

PAGES: 103 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12N-001/15A; C12N-015/80B; C12N-003/00B; C12N-015/04B; C12N-015/11B
DESIGNATED COUNTRIES: AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; CA; CH; CN; CU; CZ; DE; DK; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; UA; UG; US; UZ; VN; YU; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE ; LS; MW; SD; SZ; UG; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG
? t s10/k/1-4
>>>KWIC option is not available in file(s): 399

10/K/1 (Item 1 from file: 5)
DIALOG(R)File 5:(c) 2002 BIOSIS. All rts. reserv.

ABSTRACT: The **recombination hotspot cog** overlaps a highly polymorphic 950-bp region of linkage group I in **Neurospora** crassa. The sequence of this region in the four strains, Lindegren 25a, Lindegren A, Emerson...

...more. Comparison of the sequence of St. Lawrence 74A and Lindegren 25a each side of **cog** shows a high level of sequence heterology extending in both directions, including the coding sequences for his-3 and a putative gene lpl with homology to **yeast** lysophospholipase. The St. Lawrence 74A and Lindegren 25a sequences of his-3, centro-mere-proximal to **cog**, differ at 14 nucleotides, resulting in six amino-acid variations between the predicted protein sequences. In lpl, distal from **cog**, the sequences differ at 19 nucleotides leading to five amino-acid differences between the predicted proteins. Sequence heterology between St. Lawrence 74A and Lindegren 25a peaks either side of **cog** and then declines with distance. At the am locus on linkage group V, heterology is much less but peaks close to a weak **recombination hotspot** 5' of the coding sequence. Uneven distribution of polymorphism along chromosomes has been explained by...

10/K/2 (Item 1 from file: 98)
DIALOG(R)File 98:(c) 2002 The HW Wilson Co. All rts. reserv.

(USE FORMAT 7 FOR FULLTEXT)

TEXT:
... initiating lesions, either at ade6 or at other loci (3).
HOTSPOTS IN OTHER FUNGI Meiotic **recombination hotspots** have been described in other **fungi** (reviewed in 16, 78, 87, 92, 124, 134), including the **cog** site near his-3 in **Neurospora** crassa (17) and the YS17 allele of the buff locus in Sordaria brevicollis (75). Both...

...the presence of initiation hotspots in flanking regions have also been reported in several other **fungal** species (reviewed in 51, 87, 112), but none of the putative hotspots has been characterized...

10/K/3 (Item 1 from file: 155)
DIALOG(R)File 155:

By deletion of 1.8 kb of sequence between **cog**(L) and his-3 and replacement with sequences of different lengths, we have generated a set of **Neurospora** strains in which the distance between **cog**(L) and the site at which recombination is selected varies from 1.7 to nearly 6 kb. Each of the manipulated strains includes **cog**(L), a highly active **recombination hotspot**, and rec-2, thus allowing high-frequency

recombination. In addition, each is a his-3...

... in progeny of these crosses is inversely proportional to the distance between his-3 and **cog**. Specifically, there is a linear relationship between log(10) (recombination frequency) and the distance in...

... markers and the chance of co-conversion has been found in both Drosophila and fission **yeast**, indicating that the extension of recombination events may be a stochastic process in most organisms...

... these and additional data presented in this article, we conclude that recombination is initiated at **cog**(L) in >17% of meioses, that most conversion tracts are very short, and that few...